

REMARKS

Claims 1-9 were in the original application. Claims 1 and 2 are being amended. Claims 3-9 are being cancelled. Claims 10-30 are being newly added. The newly added claims do not present any new matter. There are a total of 23 claims currently pending in this Application. This Preliminary Amendment is submitted in order to clarify the language of the specification and the claims. The substitute specification does not include any new matter. Entry of the above recited corrections is respectfully requested.

A fee for additional claims has been submitted by credit card on Form PTO-2038 (enclosed herewith). However, should this fee not be sufficient or not be paid by the credit card issuer, Applicant hereby request that the fee for additional claims be charged to **Deposit Account No. 503182**. Also, should an extension of time be required, Applicant hereby petitions for same and requests that the extension fee and any other fee required for timely consideration of this submission (not already paid by other means) be charged to **Deposit Account No. 503182**.

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Agent for Applicant(s)

Date: September 15, 2005

Serial No. 10/536,830
Atty Ref No. KKRT-00101-NUS

SUBSTITUTE SPECIFICATION
MARKED-UP VERSION

MOTOR VEHICLE DOOR

[0001] CROSS-REFERENCE TO RELATED APPLICATIONS

[0002] This is a National Stage Application of International Patent Application No. PCT/DE 2003/003973, with an international filing date of December 1, 2003, which is based on German Patent Application No. 102 56 266.0, filed December 3, 2002. The contents of both of these specifications are incorporated herein by reference.

[0003] BACKGROUND OF THE INVENTION

[0004] Field of the Invention

[0005] The invention refers to a vehicle door comprising a vehicle door latch with a housing and at least one additional assembly.

[0006] Description of Related Art

[0007] A vehicle door of the above design is, for instance, disclosed by DE 100 57 352 A1. The additional assembly is in this case a drive for a window lifting mechanism. Said drive, the door latch and the window lifting mechanism are fixed to the same supporting member. Said supporting member is a latch mounting plate.

[0008] In principle, this known procedure already successfully intends to make the best possible use of the door interior, generally covered by the door coverings. As it is this space that not only increasingly often houses additional assemblies, such as the described window lifting device but also side airbag systems, speaker arrangements, height adjustment devices for the arm rest, lights indicating open vehicle doors, control elements for the door mirrors as well as the door latch and mirror heating system.

[0009] All said assemblies must thus be accommodated in the existing (constricted) area. This applies even more so, if the door interior is to be used for even more purposes, such as, for instance, a storage space for traveling provisions (bottles, tins or similar packaging).

[0010] In the past, attempts were already made to combine this collection of additional assembly inside the vehicle door by using assembly carriers or so-called door module carrying panels. Although they allow a simplified preassembly of the individual

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additional assemblies, they are usually made of metal and thus cause a not inconsiderable increase in weight. They also have a projecting design (see DE 197 47 709 A1).

[0011] Due to the increasing number of available models, a wide variety of different door module carrying panels are also required, making the design, storage and assembly more difficult. Also, the emphasis is generally on reducing and not increasing the weight of vehicles. The invention intends, in any case, to resolve these problems.

[0012] **BRIEF SUMMARY OF THE INVENTION**

[0013] The invention described herein provides a vehicle door including a vehicle door latch (1) with a housing (2, 3) and with at least one additional assembly (4) characterized in that the additional assembly (4) is connected to the housing (2, 3) of the vehicle door latch (1).

[0014] In certain embodiments of the present invention, the housing (2, 3) comprises a latch case (2) and a latch housing (3a) and a latch cover (3b), with the latch housing (3a) and latch cover (3b) consisting of one or two parts.

[0015] In certain embodiments of the present invention, the additional assembly (4) is arranged on the external surface of the latch cover (3b) of the housing (2, 3).

[0016] In certain embodiments of the present invention, the additional assembly (4) is secured in a seat (10) of the housing (2, 3).

[0017] In certain embodiments of the present invention, a common control unit (12) is provided for controlling the vehicle door latch (1) and the additional assembly (4).

[0018] In certain embodiments of the present invention, the additional assembly (4) and the door latch (1) are connected to a corresponding control board (11).

[0019] In certain embodiments of the present invention, the additional assembly (4) apart from its original tasks, such as lifting windows, adjusting mirrors, etc. also carries out latch functions, such as i.e. electric opening, closing, double locking/unlocking, engaging/disengaging child lock, central locking, etc. at the same or at different times.

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r p d l j o h ! p g u f ! w f i j d r f ! e p p s l r b u d i !

Gf mx - ! u f ! j o w f o u p o ! j t ! e f t d s j c f e l j o ! n p s f ! e f u b j r h x j u ! s f g s o d f ! l u p ! e s b o x j o h t ! s f q s t f o y o h !
p o r a ! p o f ! f n c p e j n f o u l j o x i j d i ;

! Gh!2!s f q s f f o t ! b l e j b h b n n b u d l w f x ! p g b o p f s b u j h ! b o e q p s l j o t j o h ! e f w j d f ! x j u ! b !
w f i j d r f ! e p p s l r b u d i ! b o e l b ! x joepx . rjgjoh! e f w j d f ! d p o t j u w j o h ! d p n q p o f o t ! p g b ! w f i j d r f !
e p p s

! Gh!3!t i p x t ! u f ! p c l f d u p g Gh!2!s e v d f e l p l u f ! b t t f n c r a ! d p o t j t j o h ! p g u f ! w f i j d r f !
e p p s l r b u d i ! b o e l u f ! e s j w f ! g o d u f ! x joepx . rjgjoh! e f w j d f ! x j u ! b l n p e j g f e l e f t j h o /

! Gh!4! t i p x t ! b o l f y q p e f e l w j f x ! p g u f ! e s j w f ! g o d u f ! x joepx ! rjgjoh! e f w j d f !
b d p o s j o h ! l u p ! Gh!2!p s l 3 ! d p o o f d f e l u p ! b l e p o s r t c p b e l p g u f ! w f i j d r f ! e p p s l r b u d i /

! Gh!5!t i p x t ! b w f i j d r f ! e p p s l r b u d i ! p n c o f e l x j u ! u f ! j o t b r m e f ! b t t f n c r f t ! b d d ! l u p ! Gh!2!

! Gh!6!s f q s f f o t ! b l f d y p o ! p g Gh!3!b r p o h ! r j o f ! B . B /

\114: ^ U i f ! g h v s f t ! t i p x ! b ! w f i j d r f ! e p p s l x j u ! b o ! p q f s b u j o h ! b o e q p s l d r p t j o h ! e f w j d f ! U i f !
q s j o d j q r h ! e f t j h o ! p g u f ! w f i j d r f ! e p p s l j o d n e f t ! b ! w f i j d r f ! e p p s l r b u d i ! 2 ! x j u ! l i p v t j o h ! 3 - 4 ! b o e l
b o e l b e e j y p o b r h b t t f n c r a ! 5 ! d p o o f d f e l u p ! u f ! l i p v t j o h ! 3 - 4 ! b o l u f ! f n c p e j n f o u l u f ! b e e j y p o b r h
b t t f n c r a ! 5 ! e s j w f t ! b l x joepx ! rjgjoh! n f d i b o j t n ! 6 ! D p o t f r v f o u r a ! b e e j y p o b r h b t t f n c r a ! 5 !
b o e l x joepx ! rjgjoh! n f d i b o j t n ! 6 ! d p o t j u w f ! b l x joepx . rjgjoh! e f w j d f ! 5 - 6 ! j o ! u f !
s f q s t f o u b j p o !

Tf\$btOp!210547-941!
Buz!SfgOp!L L SU.11212.OVT!

TVCTUUVUFITQFDJGDBUPO!
N BSL FE. VQMFSTJPO!

\1151^ Gh!6!jo!qbsjdvrb! ti px t!u bu i pvtjoh!3!4!boe@ps!u f!dpwf sjoh!f odptjoh!u f!
f ojsf !rbudi !n f di bojtn -!hf of sbma!dpn qsjt f t!b!rbudi !qrbuf !boe@ps!b!rbudi !dbtf !3!bt !x f mftb!
b!ux p. qbsjdpwf s!4!boe@ps!4b!4c! Dpwf s!4!ps!4b!4c!bdw!bma!dpotjt t!pg!rbudi !i pvtjoh!4b!
boe!rbudi !dpwf s!4c!Mudi !i pvtjoh!4b!jt!drptf e!pgjcz!rbudi !dpwf s!4c!Mudi !i pvtjoh!4b!
boe!rbudi !dpwf s!4c!dbo!brtp!gpn !bltjohrf!dpn qpof oups!b!tjohrf. qbsjdpwf s!4/!

\1152^ Uf f !rbudi !dbtf !psu f !rbudi !qrbuf !3!bmrpx t!gjyjoh!pgu f !epps!rbudi !po!gostjotubodf-!
u f !rbuf srtf oetx brtpgfu f !wf i jdrf!epps!Jb!dpouet u!u f !rbudi !dpwf s!4c!f yuf oet !o!pqqptjuf!
up!u f !rbudi !qrbuf !3!o!upx bset!u f !epps!jouf sjps!Mudi !i pvtjoh!4b!boe!rbudi !dpwf s!4c!bsf!
n bef !pg!qrbtjyd!x i jrtu u f !rbudi !dbtf !psu f !rbudi !qrbuf !3!jt!n bef !pgti f f un f ubrf!Ui f !tbn f!
brtp!bqqjft! gos! bo! byjbrt vqqpsu 31! sf f sjoh!jo!u f !dpouf yu pg u jt!f n cpejn f ou up! bl
wf sjdbrhjehf !boe@ps!csbd f u 31!vqt!boejoh!jo!sf!rbajpo!up!rbudi !dbtf !3!Ui jt!wf sjdbrhjehf!
ps!csbd f u 31!ps!u f !byjbrt vqqpsu 31!f ot vsf t!u bu u f !rbudi !i pvtjoh!4b!jt!tubcjrij{fe!jo!
bodpsebodf !x jù !u f !sf qsf tf oubjpo!jo!Gh!6!Ui jt!obu!sbma!brtp!bqqjft!jo!u f !tbn f !x bz!
gost!rbudi !dpwf s!4c!dpoof duf e!up!rbudi !i pvtjoh!4b!

\1153^ Uf f !byjbrt vqqpsu 31!phfu f s!x jù !sjct!32!polu f !rbudi !dpwf s!4c!f ot vsf !phfu f s!
u bu u f !rbudi !dpwf s!4c!i bt!u f !tubcjrijz!sf r vjsf e!gostopupora!grygjnjoh!jut!psj!hobrtf brjoh!
g!odjpo!cvuup!brtp!g!odjpo!bt!bo!beej!jpo!brtp!t f n cr!dbsjfs!Ui jt!jt!f yqrbjof e!jo!n psf!
ef ubjrhcf rpx !Ui f !t bn f !dpodf qujodnft!n f bt vsf t!up!bu!rbudi !qspedf!u f !rbudi !dpwf s!4c!
)hf of sbma!brtp!rbudi !i pvtjoh!4b!gpn !hrbt t!gcf s!sf jogsdf e!qrbt jyd!

\1154^ Jb!u f !f n cpejn f ou!u f !beej!jpo!brtbt f n cr!5!jt!dpoof duf e!up!u f !i pvtjoh!3!4!pd
u f !wf i jdrf!epps!rbudi !2!Bt!qbsj!pgu f !jowf ojpo!u f !x joepx !rjgjoh!n f di bojtn !6!dbo!
obu!sbma!brtp!cf !gjyf e!up!u f !i pvtjoh!3!4!x i jd! jt!-i px f wf s!oputi px o!Ui f !jotubn!bjpo!
tju!bjpo!pgu f !bcpwf !joej!jwjevbrtqbsu!2!up!6!jt!bqqbsf ougpn !Gh!5/

\1155^ Uf f !ef t jho!pgu f !wf i jdrf!epps!rbudi !2!dpssf t qpoet !n bjor!up!u bu!pgu f !wf i jdrf!
epps!rbudi !ef t djcf e! jo! EF! 3: 8! 34! 573! V2! Gh! 3! ti px t! b! rpd joh! n f di bojtn !7!
dpn qsjtjoh!b! spubsz!dbud! boe! qbx n! b! rpd joh! rfwf s!ps!df oubrtrpd! joh! rfwf s!8! boe!ux p!
p!qf sbujoh!rfwf s!9: !gostjouf sobrtboe!f yuf sobrtqf sbujpo!

\1156^ Uf f !i pvtjoh!3!4!pgu f !epps!rbudi !2!dpn qsjt f t!o!bt !brf bez!ef t djcf e!o!b!rbudi !
dbtf !3!boe!dpwf s!4!psu f !rbudi !i pvtjoh!4b!boe!u f !rbudi !dpwf s!4c!Ui f !beej!jpo!brtbt f n cr!

8!PG: !

Tf!sj!bt!Op!1210647-941!
Buz!Sfg!Op!L L SU.11212.OVT!

TVCTLUUVUFITQFDJGDBUPO!
N BSL FE.VQWFSTJPO!

5!jo!gpn!pg bl x joepx !rjgjoh!n pupt!5!jt!bsbbohf el po! u f !f yuf sobrt vsgdf !pg u f !rbudi !dpwf s!4c!pgi pvtjoh!3-!4!Gpsu jt!qvsqptf -u f !rbudi !dpwf s!4c!dpoubjot !blt f bu21-!jo!x i jdi !u f !beej ypoibrhbt f n cra!ps u f !x joepx !rjgjoh!n pupt!5!jt!qrbdfe!boel gyf e!cz!cpnjoh-
sjwf yoh-!djjqjoh-!f u!t!t!f!Gh!/6*!

\1157^ Gh! 4! ti px t! u bu beej ypoibrhbt f n cra! 5! boel eppst rbudi !2! bsf !dpoof dtf el up! bl
dpssftqpoejoh!dpousprhcbse!22!boel u bu bl dptn n po!dpousprhvoju23!jt!qspwjef el gos u f !
bdjwbujo!pg u f !wf i jdrf!eppst rbudi !2!boel u f !beej ypoibrhbt f n cra!5!Tbjel!dpousprhvojujt!
dpoof dtf el up!bldf oubrtdpousprhvojujtjef !u f !wf i jdrf!wjb!blt pdl f u24!boel bl!dpoof djpo!rjdf!
qmhlf el joap!tbjel!tpd f u!J!jt!bqbsf ou gpn !u f !ghvsf !u bu u f !beej ypoibrhbt f n cra!5!
dpoubjot!dpoof djpo!sjehft!25!bddpn n pebfeljols!f jwjoht!tpd f u!26!polu f !dpousprhcbse!
22!up!gpn!bo!frhdsjdbtdpoof djpo!x ju !tbjel!cpbse!Bo!beej ypoibrtejwf !n pupt!27!gpsu f !
wf i jdrf!eppst rbudi !2!jt!tf dvsf el up!u f !dpousprhcbse!22!x ju !u f !bjel!pgb!gyjoh!ef wjdf !28!

\1158^ Beej ypoibrhbt f n cra!5!boel esjwf !n pupt!27!bsf !bsbbohf el po!ejgf s outjeft!pg u f !
dpousprhcbse!22!J!u f !dpoof yu pg u f !f n cpejn f ou!u f !beej ypoibrhbt f n cra!5!boel u f !
x joepx !rjgjoh!n pupt!5!bsf !bcrf!opu pona!up!rjgjboel!rpx f s u f !x joepx !qbof !29!joejdaf e!
jo!Gh!/5!cvu!up!brtp!gbojrn!buf !f rfidujdortpqf ojoh!pg u f !wf i jdrf!eppst rbudi !2!jo!tvdi !blx bz!
u bu u f !qbx rpg u f !tpd joh!n f di bojtn !7!jt!o!jg!eft jsf e!orjgf el jo!u f !x bz!eft tdjcf el jo!
qsjodjqrn!jo!EF!2: 7!61!937!B2/!

\1159^ Obwsbrn!u f !x joepx !rjgjoh!n pupt!ps u f !beej ypoibrhbt f n cra!5!jt!brtp!bcrf!up!
dbssz!pvlpri f s!rbudi !gvodijpot!Ui jt!n bz!jodnaf t!jofhsbuf el!uppu joh!po!pof !ps!cpu !tjeft!jo!x i jdi !
tpd joh!n f di bojtn !7-!bt!eft tdjcf el jo!EF!2: : 153!471!B2/!Brtp!u f !n pwfn f ou pg u f !
tpd joh!rfwf s!8-!bt!qbs!pgb!df oubrtpd joh!gvodijpo-!jt!g!btjcrf!

\115: ^Ui f !x joepx !rjgjoh!n f di bojtn !6!boel!ps u f !n pwfn f ou pg u f !x joepx !qbof !29!jt!
eft jhof el!joltvdi !blx bz!u bu!ujodnaf t!jofhsbuf el!uppu joh!po!pof !ps!cpu !tjeft!jo!x i jdi !
u f !beej ypoibrhbt f n cra!5!f ohbhft!ejsf dura!wjb!bo!jofsn fejbuf !hf bs!2: !)tff!Gh!/3*!Ui f !
uppu joh!dbo!fju f s!cf !ejsf dura!jofhsbuf el!jo!u f !qbof !n buf s!brtp!jo!bl!dpbjoh!ps!qspgrf!
dpoof dtf el up!u f !x joepx qbof !29!J!u jt!lsf tqf duf!sf g!sf odf !jt!n bef !up!EF!2: 8!14!831!B2!
boel!EF!2: : 11: 1199!B2/!J!qsjodjqrn!u f !x joepx qbof !dbo!brtp!cf !ejt qrbdf el x ju !u f !bjel!
pgCpx ef o!dbcrit!bt!ti px o!jol u f !f n cpejn f ou!uzqft!pg!Gh!/2!boel!Gh!/5!

9!PG: !

From: Matthias Scholl

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To: USPTO - Main Fax Nun Fax: +1 (571) 273-8300

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Buz!SfgOp/L L SU.11212.OVT!

! !
TVCTUUVUFITQFDJGDBUPO!
N BSL FE.VQWFSTJPO!

BCTUSB DU!!

Ü f !pckf dU pg ü f !qsf t foU jow foU po! jt !b! wf i jdñ! eppsljodñejoh! b! wf i jdñ! eppslrbudi !)2*!
x jü ! b! i pvtjoh!)3-! 4*! boe! x jü ! bU rfbt d pof ! beej üpobrftt f n crz!)5*! Bddpsejoh! up! ü f !
jow foU po! ü f !beej üpobrftt f n crz!)5*! jt !dpoof dU el up! ü f ! i pvtjoh!)3-! 4*! pg ü f !wf i jdñ!
eppslrbudi !)2*/!

\Up!cf lejt dptf elx jü !Gh!3\

: !PG: !